Michael P Royer

List of Publications by Year
in descending order

32 papers	579 citations	759233 12 h-index	610901 24 g-index
34 all docs	34 docs citations	34 times ranked	311 citing authors

#	Article	IF	Citations
1	Development of the IES method for evaluating the color rendition of light sources. Optics Express, 2015, 23, 15888.	3.4	184
2	Human perceptions of colour rendition vary with average fidelity, average gamut, and gamut shape. Lighting Research and Technology, 2017, 49, 966-991.	2.7	54
3	Light Therapy for Seniors in Long Term Care. Journal of the American Medical Directors Association, 2012, 13, 100-102.	2.5	43
4	Human perceptions of colour rendition at different chromaticities. Lighting Research and Technology, 2018, 50, 965-994.	2.7	38
5	Comparing Measures of Average Color Fidelity. LEUKOS - Journal of Illuminating Engineering Society of North America, 2018, 14, 69-85.	2.9	27
6	A Test of the S/P Ratio as a Correlate for Brightness Perception using Rapid-Sequential and Side-by-Side Experimental Protocols. LEUKOS - Journal of Illuminating Engineering Society of North America, 2009, 6, 119-137.	2.9	22
7	Spatial Brightness Perception of Trichromatic Stimuli. LEUKOS - Journal of Illuminating Engineering Society of North America, 2012, 9, 89-108.	2.9	22
8	Lumen Maintenance and Light Loss Factors: Consequences of Current Design Practices for LEDs. LEUKOS - Journal of Illuminating Engineering Society of North America, 2014, 10, 77-86.	2.9	21
9	The Role of Presented Objects in Deriving Color Preference Criteria from Psychophysical Studies. LEUKOS - Journal of Illuminating Engineering Society of North America, 2017, 13, 143-157.	2.9	21
10	Chroma Shift and Gamut Shape: Going Beyond Average Color Fidelity and Gamut Area. LEUKOS - Journal of Illuminating Engineering Society of North America, 2018, 14, 149-165.	2.9	18
11	What Is the Reference? An Examination of Alternatives to the Reference Sources Used in IES TM-30-15. LEUKOS - Journal of Illuminating Engineering Society of North America, 2017, 13, 71-89.	2.9	15
12	Experimental validation of colour rendition specification criteria based on ANSI/IES TM-30-18. Lighting Research and Technology, 2020, 52, 323-349.	2.7	15
13	Illuminance Uniformity of Outdoor Sports Lighting. LEUKOS - Journal of Illuminating Engineering Society of North America, 2011, 7, 221-235.	2.9	13
14	IES TM-30-15 Is Approvedâ€”Now What?. LEUKOS - Journal of Illuminating Engineering Society of North America, 2016, 12, 3-5.	2.9	13
15	Tutorial: Background and Guidance for Using the ANSI/IES TM-30 Method for Evaluating Light Source Color Rendition. LEUKOS - Journal of Illuminating Engineering Society of North America, 2022, 18, 191-231.	2.9	12
16	A Vector Field Color Rendition Model for Characterizing Color Shifts and Metameric Mismatch. LEUKOS - Journal of Illuminating Engineering Society of North America, 2020, 16, 99-114.	2.9	9
17	Recommended methods for conducting human factors experiments on the subjective evaluation of colour rendition. Lighting Research and Technology, 2022, 54, 199-236.	2.7	8
18	Perceived colour fidelity under LEDs with similar Rf but different Ra. Lighting Research and Technology, 2019, 51, 858-869.	2.7	7

#	Article	IF	Citations
19	Light Loss Factors for Sports Lighting. LEUKOS - Journal of Illuminating Engineering Society of North America, 2010, 6, 183-201.	2.9	6
20	Comparing Measures of Gamut Area. LEUKOS - Journal of Illuminating Engineering Society of North America, 2019, 15, 29-53.	2.9	6
21	Evaluating tradeoffs between energy efficiency and color rendition. OSA Continuum, 2019, 2, 2308.	1.8	6
22	A method and tool to determine the colorimetric and photobiological properties of light transmitted through glass and other optical materials. Building and Environment, 2022, 215, 108957.	6.9	6
23	A Test of the S/P Ratio as a Correlate for Brightness Perception using Rapid-Sequential and Side-by-Side Experimental Protocols. LEUKOS - Journal of Illuminating Engineering Society of North America, 2009, 6, 119-137.	2.9	3
24	Analysis of color rendition specification criteria. , 2019, , .		3
25	Editorial: Visual diversity and equity in lighting. Lighting Research and Technology, 2020, 52, 701-701.	2.7	2
26	Improved Method for Evaluating and Specifying the Chromaticity of Light Sources. LEUKOS - Journal of Illuminating Engineering Society of North America, 2023, 19, 35-52.	2.9	2
27	Examining perceptual luminance uniformity of simulated luminaire patterns. , 2021, , .		1
28	SPECTRAL CHARACTERISTICS INFLUENCING THE METAMERIC UNCERTAINTY INDEX. , 2019, , .		1
29	The authors' reply Sir:. LEUKOS - Journal of Illuminating Engineering Society of North America, 2010, 7, 12-19.	2.9	0
30	Chromaticity Maintenance in LED Devices. Solid State Lighting Technology and Application Series, 2018, , 221-254.	0.3	0
31	Opinion: Making the most of colour rendition research. Lighting Research and Technology, 2018, 50, 338-339.	2.7	0
32	Clarification to Feb 19, 2019 LEUKOS article, â€œEstimation of Possible Suppression of Melatonin Production Caused by Exterior Lighting in Commercial Business Districts in Metropolises.â€• LEUKOS - Journal of Illuminating Engineering Society of North America, 2020, 16, 145-145.	2.9	0